

DETEX®
RELIANT™ PLUS

USER MANUAL

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INTRODUCTION

The RELIANT PLUS Guard Tour Verification System was developed to assist the users of guard tour services in efficiently programming and supervising guard patrols. An additional benefit is a considerable reduction in the probability of theft, fire and industrial accidents. RELIANT PLUS employs proven technology: our RELIANT PLUS software, the portable RELIANT Data Acquisition Unit (DAU) and the touch-memory iButtons[®], which are utilized as checkpoints, identification devices for officers and supervisors and for recording incidents.

Capabilities:

- Accommodates multiple officers, supervisors, DAUs, checkpoints and incident messages
- Access control (Log IN/Log OUT) of vehicles, equipment, etc.
- Password Protected.
- Archive Management.
- Repairs Damaged Databases.
- Exports Reports
- Bilingual operation (English or Spanish)

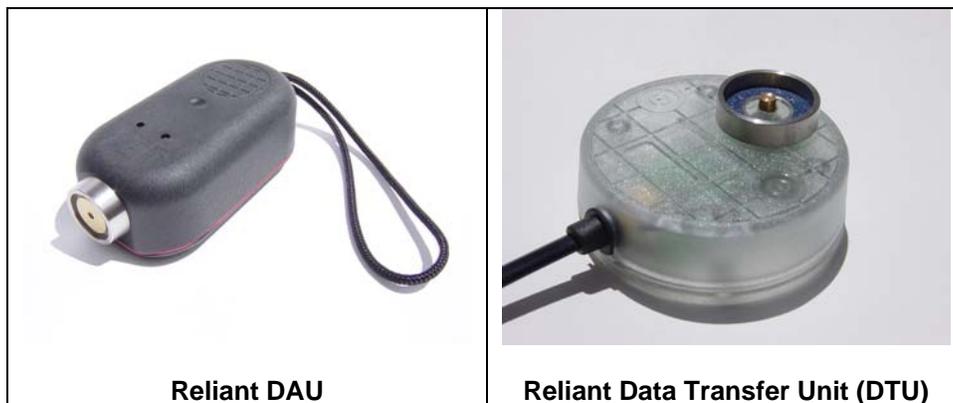
System Reports:

- All security tours by date & time.
- By name or type of element to be controlled (checkpoint, vehicle, officer, etc.)
- By DAU utilized.
- By incident messages or regular messages.
- Missed Stations Report
- Performance & Exceptions Report.
- Exports reports to Windows Excel or other databases
- Lists all parameters (employed components).

SYSTEM COMPONENTS:

Reliant Data Acquisition Unit (DAU)

The Reliant DAU is a portable electronic device designed to “read” and store iButton serial numbers, along with the exact time and date of the reading. The DAU downloads the stored readings into any IBM or compatible PC (Pentium II 300 MHz or higher processor) by means of the Reliant Data Transfer Unit (DTU). The Reliant DAU is a sturdy device capable of withstanding impacts, rough handling, rain, mud, grease, dust and radio interference. The unit is powered by 3 “AAA” batteries.



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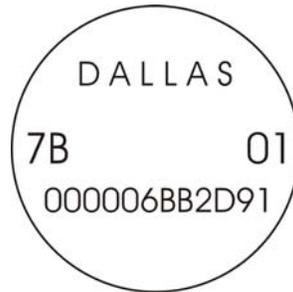
Reliant DAU Specifications:

- Weight: 150 grams
- Size: Length 98.5 mm (3.88"), Width 48 mm (1.9"), Height 34.5 mm (1.36")
- Memory: 64K, Nonvolatile (NVO RAM); 10-year life; 5,460 readings maximum
- Power: 3 "AAA" alkaline 1.5-VDC batteries; lasts for 1 year or 500,000 readings.
- Casing Material: 40 Glass-Reinforced Polycarbonate (General Electric - Lexan[®]).
- Operation temperature: -40° to +85°C (-40° to +185°F)

Touch-memory iButton[®]

The iButton is a microcircuit, encapsulated in a stainless steel, weather-resistant button of great durability and reliability (1,000,000 readings per button). Each iButton is a guaranteed unique, never-to-be-repeated factory-programmed ROM. Its 16-character serial number is maintained in laser-cut poly-silicon links, not as a stored magnetic charge. Because of its design and the strict control of the manufacturing process, the DS1990A iButton is an identifier that cannot be counterfeited. It is appropriate for applications where absolute identification is required. Due to its great reliability, the iButton is well known internationally as a universal identifier of persons, objects and events. The dimensions of the iButton are: Height, 5mm; Diameter, 16mm.

The serial number of each iButton is physically the number that will identify each checkpoint, officer, supervisor, etc. The 16-character serial number is printed on the metallic surface of each button, starting with two alphanumeric characters located at center left; 12 smaller characters centered below with the final two characters at center right. The RELIANT system will automatically read and assign each iButton serial number on the Assignments Folder (Tab).



Officer & Supervisor ID Keys:

In order to assign duties and evaluate performance, the system uses ID Keys for officers and supervisors. The correct usage of the ID Keys will ensure an appropriate and efficient operation of the system. The ID keys are made of nylon and provide a simple way to carry an iButton for situations where only momentary contact is needed. The iButton snaps in, and the ID Key or Badge can be attached to a key ring.



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Incidents (Messages):

An incident is an event or condition – generally pertaining to security, safety, maintenance or operational issues – that an officer observes while performing a tour. The RELIANT PLUS system allows incidents to be reported by the officer to a supervisor; for example, Gas Leak, Water Leak, Fire Hazard, Lights On, Unlocked Door, Unlocked Window, Intruder, etc.

If incident reporting is desired, the officer must carry an Incident Book. The Incident Book is a 3" x 4" folder, which contains on one side the keypad (12 riveted iButtons: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, **C** for "CLEAR" and **E** for "ENTER"). On the other side it has 5 plastic pockets that contain paper sheets with the printed incident codes (incident codes are defined, assigned and printed by the user in advance).

Some incidents are fairly common, while others arise only within certain types of environments. The RELIANT PLUS system allows you to define as many incident messages or regular messages as needed. For the incident system to operate correctly, the following procedure should be followed: 1.) When an incident is observed, read the Checkpoint location with the Reliant DAU; 2.) Enter the appropriate incident code using the keypad, and finally 3.) Read the "E" (ENTER) button. The system will not correctly associate the incident if this sequence is not followed.

For isolated incidents (those that are not or should not be related to checkpoints, persons, etc.), the officer must read the "0" key on the keypad, and then read the keys for the relevant message code. Example: If a gas leak (which we will define as **code 15**) is detected in an area where there is no nearby checkpoint, the officer must read the following sequence of keys: **0, 1, 5, E.**



Checkpoints:

A Checkpoint is a device securely mounted at a location within a particular Tour Area (office building, warehouse, parking lot, shipping dock, etc.) where an officer's presence is desired at certain predetermined intervals. Each Checkpoint consists of an iButton and its mounting device.

When an officer reads a Checkpoint with his assigned Reliant DAU, the unique serial number of the Checkpoint is stored in the DAU's memory, along with the exact time and date of the reading. This data, when downloaded into the Reliant PLUS software, will produce all the reports needed to evaluate an officer's performance.

Checkpoint Assembly Mounts (iButton Mounts):

The iButtons come with a multipurpose assembly mount, made of polycarbonate, which can be used to assemble all Checkpoints. The mount consists of two transparent plates, one front plate and one back plate. The front plate includes a circular retaining rim to press fit the iButton. Both plates include an internal cavity into which a label or photograph may be inserted. The plates can be assembled together (and/or to any desired surface) with rivets or screws such that all mount contents are securely retained. For wall mounting of Checkpoints, the use of 1/8" self-threading screws (provided with mounts) is recommended.

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Tour Areas:

A Tour is the physical displacement of an officer through a predetermined area (Tour Area). The size of a Tour Area, the duration of a Tour and the number of Checkpoints per area varies for different users; but a typical Tour Area features: One officer per Tour Area; one Reliant DAU per officer; 10 Checkpoints and a tour duration ranging from 45 to 60 minutes. The RELIANT PLUS system is capable of handling overlapping tours (several officers touring the same area during the same shift). Overlapping tours can coexist within one Tour Area, or one guard can handle several areas.

Beginning an Officer's Shift (recommended procedure)

Before commencing their shifts, officers should identify themselves (Log In) to the system. To Log In, they must first read their ID Key with their assigned Reliant DAU and then read the "START" Button (button No. 1 on the Keypad).

Ending an Officer's Shift (recommended procedure)

When ending their shifts, officers should Log Out. To do this, they must first read their ID Key and then read the "STOP" button (button No. 3 on the Keypad).

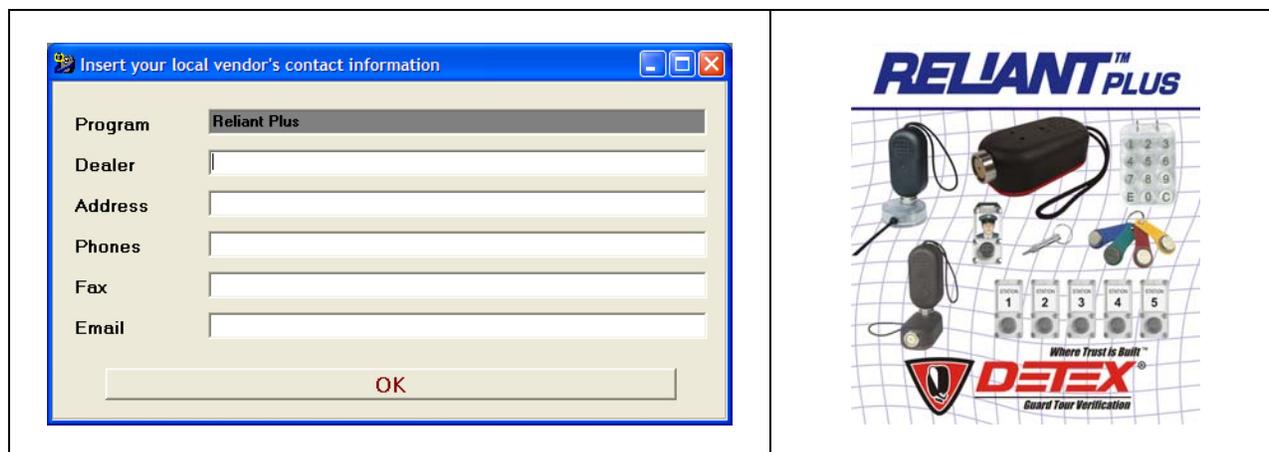
SOFTWARE INSTALLATION:

1. Close all other Windows applications.
2. Insert CD in appropriate drive.
3. Program contains an Autorun (install) function.
4. Follow the installation instructions.
5. If the Autorun function is not displayed within 30 to 60 seconds; Select "Start" → "Setup" (only for OS before Windows XP) → "Control Panel" → "Add Programs" → and select "CD" drive.
6. Follow the installation instructions.

Initializing System

Once the system is installed, you may start the application. The system will reside within the program group manager called "Detex / Reliant Plus"; the application is also named "Reliant Plus." Double-click on the icon to Enter. Before running for the first time the program will prompt you with a language selection screen; select "English" and press "OK." Next, the program will display a "Vendor's Contact Information" screen; fill in the appropriate data and press "OK." The data filled in will be displayed whenever you select the "About" Tab. This is important in case you need training and/or support.

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MAIN SCREEN:

The main screen is composed of 9 Data Folders (Tabs): Header, Assignments, Recorders, Booklets, Messages, Recordings, Archiving, Password and About. Initially you will not need a password; if you want password protection, select the "Password" Tab and key-in your password.

Data Tabs

Header | Assignments | Recorders | Booklets | Messages | Recordings | Archiving | Password | About

| R.N. | yy | mm | dd | Hour | Name | Area | Message | Delta | Watchman |
|------|----|----|----|-------|--------------------------|--------|---------|-----------|--------------------------|
| 3 | 02 | 07 | 05 | 07:43 | 003 / Accounting | Area 1 | | 000 00:03 | W07 Smith Xavier |
| 3 | 02 | 07 | 05 | 07:53 | 001 / Lobby | Area 1 | | 000 00:10 | W07 Smith Xavier |
| 3 | 02 | 07 | 05 | 07:54 | 002 / Customer Service | Area 1 | | 000 00:01 | W07 Smith Xavier |
| 3 | 02 | 07 | 05 | 07:55 | 003 / Accounting | Area 1 | | 000 00:01 | W07 Smith Xavier |
| 3 | 02 | 07 | 05 | 08:00 | W07 Smith Xavier | N. A. | Stop | 000 00:05 | W07 Smith Xavier |
| 3 | 02 | 07 | 05 | 08:02 | W03 / Jennings Alexandra | N. A. | Start | 000 00:02 | W03 / Jennings Alexandra |
| 3 | 02 | 07 | 05 | 08:02 | 001 / Lobby | Area 1 | | 000 00:00 | W03 / Jennings Alexandra |
| 3 | 02 | 07 | 05 | 08:06 | 002 / Customer Service | Area 1 | | 000 00:04 | W03 / Jennings Alexandra |
| 3 | 02 | 07 | 05 | 08:08 | 003 / Accounting | Area 1 | | 000 00:02 | W03 / Jennings Alexandra |
| 3 | 02 | 07 | 05 | 08:09 | 001 / Lobby | Area 1 | | 000 00:01 | W03 / Jennings Alexandra |
| 3 | 02 | 07 | 05 | 08:13 | 002 / Customer Service | Area 1 | | 000 00:04 | W03 / Jennings Alexandra |

Menu

Download / Program | Sort | View | Export | Reports | Exit

Register No. 225 Of 307

RELIANT DATA ACQUISITION UNIT (DAU) OPERATION:

The RELIANT DAU is a portable electronic device designed to "read" and store iButton serial numbers, along with the exact time and date of the reading. The DAU downloads the stored readings (5,460 maximum) into any IBM or compatible PC (Pentium II 300 MHz or higher processor). It is a sturdy device capable of withstanding harsh environments and impacts. The unit is powered by 3 "AAA" batteries.

The DAU has a luminous LED indicator (light emitting diode) and a beeper.

To install battery: Open the top of the DAU by removing the 2 security screws and connect 3 "AAA" batteries, preferably alkaline. If the batteries have an adequate charge, the DAU will display 5 green blinks of the LED and emit 5 beeps.

To read checkpoints, ID Keys, Incident Books or any other iButtons, simply touch them with the DAU's probe. If a successful reading is made, the DAU will display 2 green blinks of the LED and emit 2 beeps.

Low battery: The DAU will signal a low-battery status by displaying 2 red blinks of the LED and emitting 2 beeps. A new set of batteries will last for one year or 500,000 readings.

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Full Memory: When the memory of the DAU is full (5,460 readings), the DAU will display 4 red blinks of the LED and emit 4 beeps each time you attempt a reading; this means that the DAU is no longer recording. In this event, make a full download of data to your PC and then erase the memory to reset; the DAU will then be ready for the next cycle of new readings.

RELIANT DAU SETUP:

Time & Date Setup

1. Insert the DAU into the Data Transfer Unit (DTU).
2. Select either the "Recorders" or "Recordings" data tab.
3. Press the **Download / Program** button, then "Download from M6000."
4. Select "Date and Time."
5. The DAU's date and time will be synchronized with the PC's system date and time.

Daylight Savings Setup:

1. Insert the DAU into the Data Transfer Unit (DTU).
2. Select either the "Recorders" or "Recordings" data tab.
3. Press the **Download / Program** button, then "Download from M6000."
4. Select the "DST" button.
5. Check the "DST" check box. The default settings for the USA will be displayed. If you wish to change the DST settings, use the pop-up calendar provided, then select "Program" to exit.

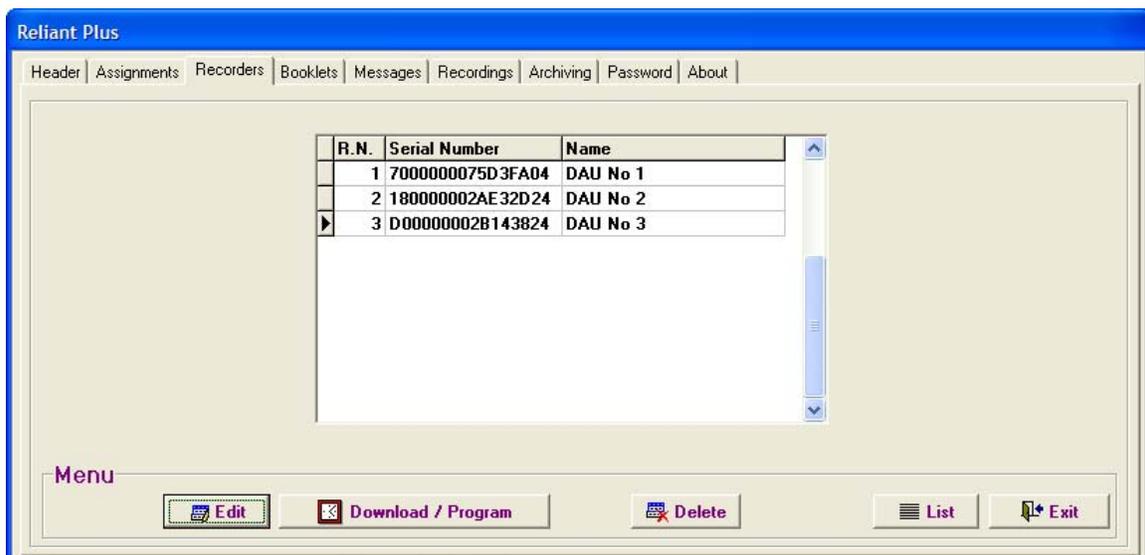
How to Download Readings:

1. Insert the DAU into the Data Transfer Unit (DTU).
2. Select either the "Recorders" or "Recordings" data tab.
2. Press the **Download / Program** button, then "Download from M6000."
3. Select Download.

Memory Delete (Reset)

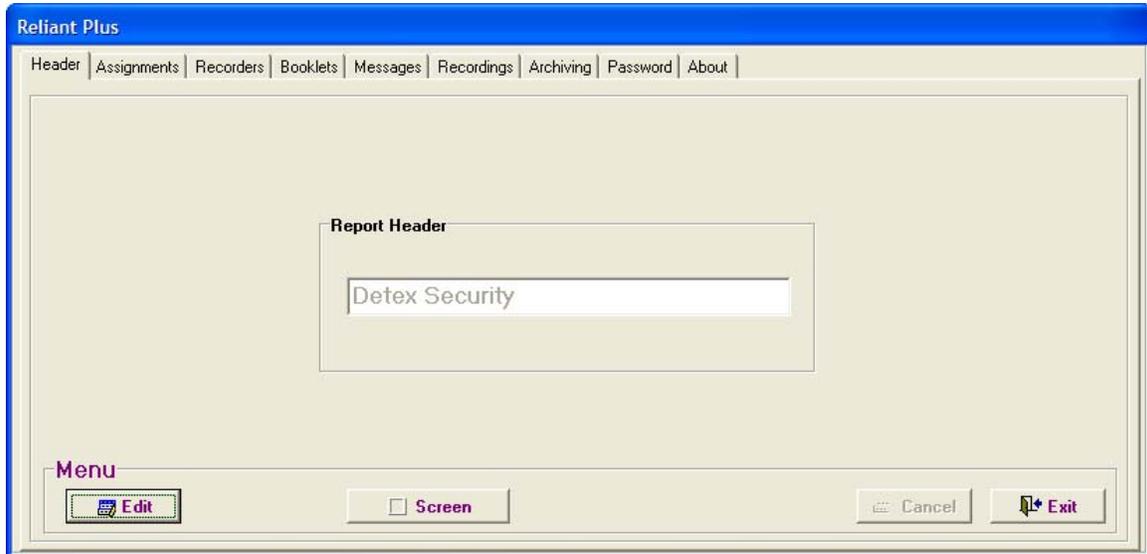
1. Insert the DAU into the Data Transfer Unit (DTU).
2. Select either the "Recorders" or "Recordings" data tab.
3. Press the **Download / Program** button, then "Download from M6000."
4. Select Erase.

A complete download when the memory is full (5,460 readings) will take approximately 3 minutes, and you will be advised of its progress and function status. To print a list of Recorders (DAUs), select the "List" button for a print preview; then click the printer icon to print.



HEADER (TAB)

The name entered in this field will serve as the header for all reports and listings. It is important not to skip this step, as the text inserted here will also be the name (header) of the archived (backed up) databases.



ASSIGNMENTS (TAB)

Preparation:

Before you begin the assignments (defining the iButtons), the following preparation and verification sequence might be helpful:

1. Make a sketch of the premises and a list of all the sites (Checkpoints), elements and persons to be controlled.
2. With sketch in hand; take a thorough physical tour of the premises.
3. Note on the list the 16-character serial number of each iButton to be installed (Checkpoint) along with its description.
4. The sketch will be useful when you are assigning and installing the iButtons.
5. All Checkpoints are best installed at a height of 45 inches above the floor. Using water sealant around the plate edges will help protect the ink of the paper labels from being washed out during wet weather. **Always use both mount plates.** iButton mounts can be installed on walls, doors, furniture, fences, metal surfaces, trees, etc.

The Assignments data tab is used to define and assign iButtons for all Checkpoints, Watchmen, Supervisors and other elements that are to be controlled.

Pre-assigned System Messages:

There are 3 pre-assigned system messages:

1. **Battery Disconnected:** If at any time the battery of a DAU is disconnected, the DAU will record the time and date of the event. This message will appear on the *Recordings Screen* along with the DAU's serial number and the time and date of the event.
2. **Isolated Message:** Whenever an incident is reported that is not related to a particular checkpoint, this message will appear on the *Recordings Screen* along with the date, time and message name.
3. **Low Battery:** Whenever a DAU enters a "low battery" status, the DAU will record the time and date of the event; this message will appear on the *Recordings Screen* along with the DAU's serial number and the date and time of the event.

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Assigning a new data item (one at a time):



1. Select the Assignments tab.
2. Press the **“NEW”** button located at the Menu bar.
3. Read the iButton to be assigned with the Data Transfer Unit (DTU) (see illustration above). At this point **do not read** any of the iButtons in the Incident Book.
4. In the **“Name”** window, enter the name of the Checkpoint, Watchman, Supervisor, Vehicle number or the name/number of other persons or elements to be controlled.
5. In the **“Type”** window, select with the drop list the type (category) to which the iButton belongs, i.e. Recording Station, Supervisor, Watchman, Vehicle, etc. Press the **Edit / Add Type** button or right-click the mouse on top of the **“Type”** window to edit or add additional Types.
6. (Recording Stations Only): In the **“Area”** window, select with the drop list the Tour Area to which the checkpoint is to be assigned. Press the **Edit / Add Area** button or right-click the mouse on top of the **“Area”** window to edit or add additional Areas.
7. (Recording Stations Only): Press the **Station Schedule** button. The station's number of readings per each day of the week and per each hour of the day (number of times per hour the station is to be visited) can be scheduled here. Select the number of readings per hour with the drop list (arrow) and click on each cell. To assign the same number of readings per hour to all hours of the day, press the **Set All** button. Click **“Save”** to exit.
8. Once this procedure is completed, the checkpoints can be installed.

Assigning a group of new data items:

1. Select the Assignments tab.
2. Read all the iButtons to be assigned with the Reliant DAU. At this point **do not read** any of the iButtons in the Incident Book.
3. Place the DAU in the Data Transfer Unit (DTU).
4. Press **“Download.”**
5. All iButtons will be automatically transferred to this data folder (Tab).
6. With a click of the mouse, choose one of the iButtons listed on the screen.
7. Select the **“Edit”** button located at the Menu bar.
8. In the **“Name”** window, enter the name of the Checkpoint, Watchman, Supervisor, Vehicle number or the name/number of other persons or elements to be controlled.
9. In the **“Type”** window, select with the drop list the type (category) to which the iButton belongs, i.e. Recording Station, Supervisor, Watchman, Vehicle, etc. Press the **Edit / Add Type** button or right-click the mouse on top of the **“Type”** window to edit or add additional Types.
10. (Recording Stations Only): In the **“Area”** window, select with the drop list the Tour Area to which the checkpoint is to be assigned. Press the **Edit / Add Area** button or right-click the mouse on top of the

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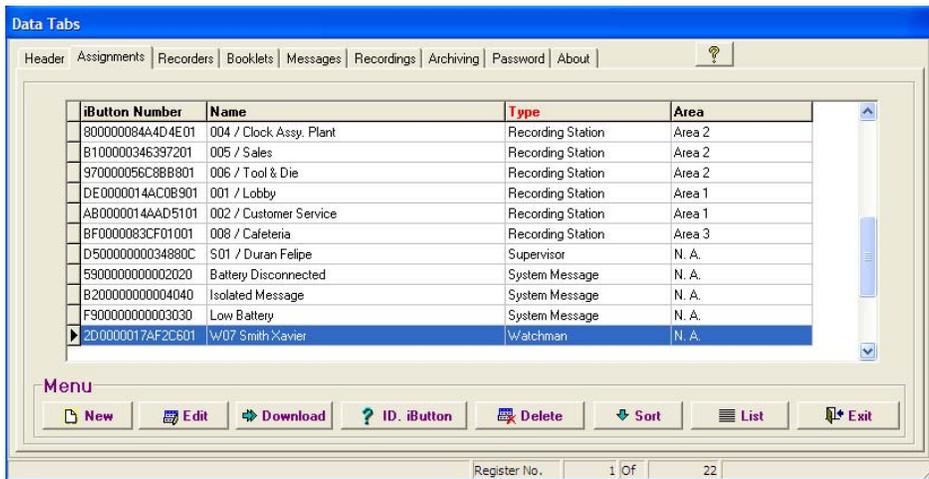
“Area” window to edit or add additional Areas.

11. (Recording Stations Only): Press the **Station Schedule** button. The station’s number of readings per each day of the week and per each hour of the day (number of times per hour the station is to be visited) can be scheduled here. Select the number of readings per hour with the drop list (arrow) and click on each cell. To assign the same number of readings per hour to all hours of the day, press the **Set All** button. Click “Save” to exit.
12. Once this procedure is completed, the checkpoints can be installed.

Follow-up:

The first column on the left displays the serial numbers of the iButtons. The second column displays the names of the Recording Stations, Watchmen, Supervisors, Vehicles, etc. The third column displays the Type of individual or element to be controlled. The fourth column displays the Tour Area (name or number) to which the Recording Stations have been assigned.

If you desire a printed list of all “Assignments”, select the “List” button on the menu bar to access a print preview; to print select the printer icon. Either a simple listing or an expanded listing showing schedules may be selected. Contents of the list can be sorted by iButton, Name, Type or Area; select the **Sort** button on the menu bar to configure your listing.



Booklets (Keypads)

How to add a new Keypad, one iButton at a time:

1. Select the “Booklets” Tab
2. Press the “NEW” button located in the Menu bar.
3. Read the iButtons of a Keypad Booklet with the Reliant Data Transfer Unit (DTU) **(the software will prompt you to read the iButtons in the following strict order):**
 - Touch key button **0** and press **Save**
 - Touch key button **1** and press **Save**
 - Touch key button **2** and press **Save**
 - Touch key button **3** and press **Save**
 - Touch key button **4** and press **Save**
 - Touch key button **5** and press **Save**
 - Touch key button **6** and press **Save**
 - Touch key button **7** and press **Save**
 - Touch key button **8** and press **Save**
 - Touch key button **9** and press **Save**
 - Touch key button **C** and press **Save**
 - Touch key button **E** and press **Save**

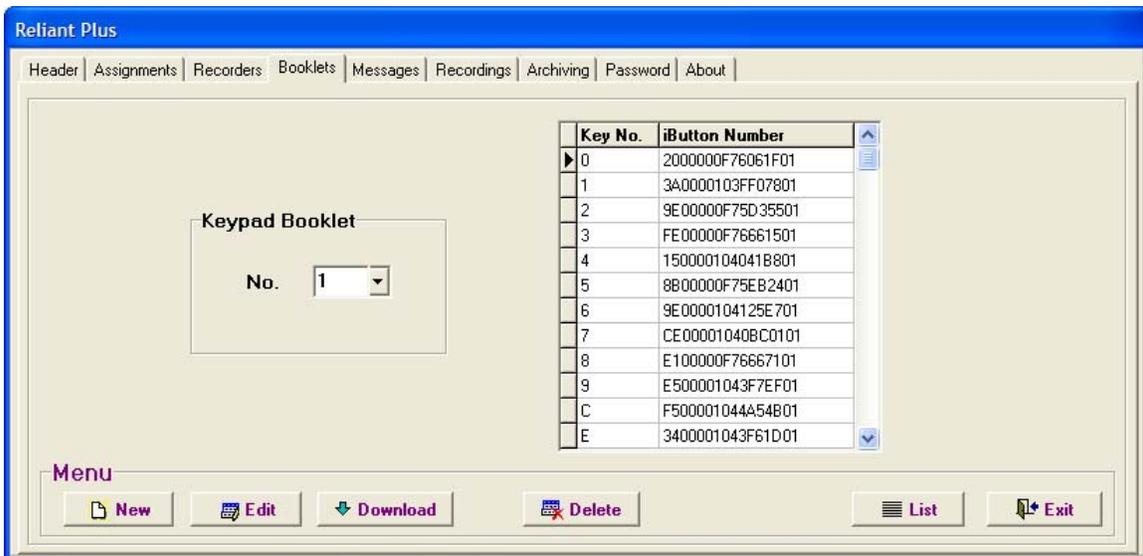
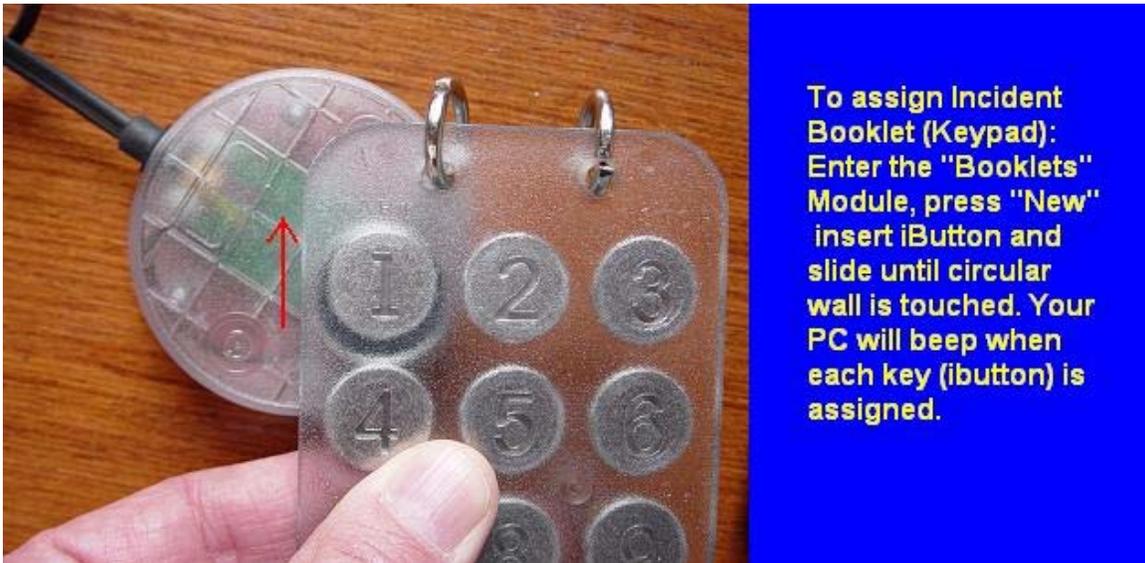
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Press the **Edit** button located in the Menu bar if you require any changes.

How to add a new Keypad, all iButtons at once:

- 1.) Select the Booklets Tab
- 2.) Read the iButtons of the Keypad Booklet with the Reliant Data Acquisition Unit (DAU) in the following **strict order**:
1, 2, 3, 4, 5, 6, 7, 8, 9, **C**, 0, **E**
- 3.) Place the DAU into the Data Transfer Unit (DTU) and select "Download."

To list the assigned Booklets, select the **List** button on the Menu bar to access a print preview; to print, select the printer icon.



Assigning Keypad Booklets

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MESSAGES (TAB)

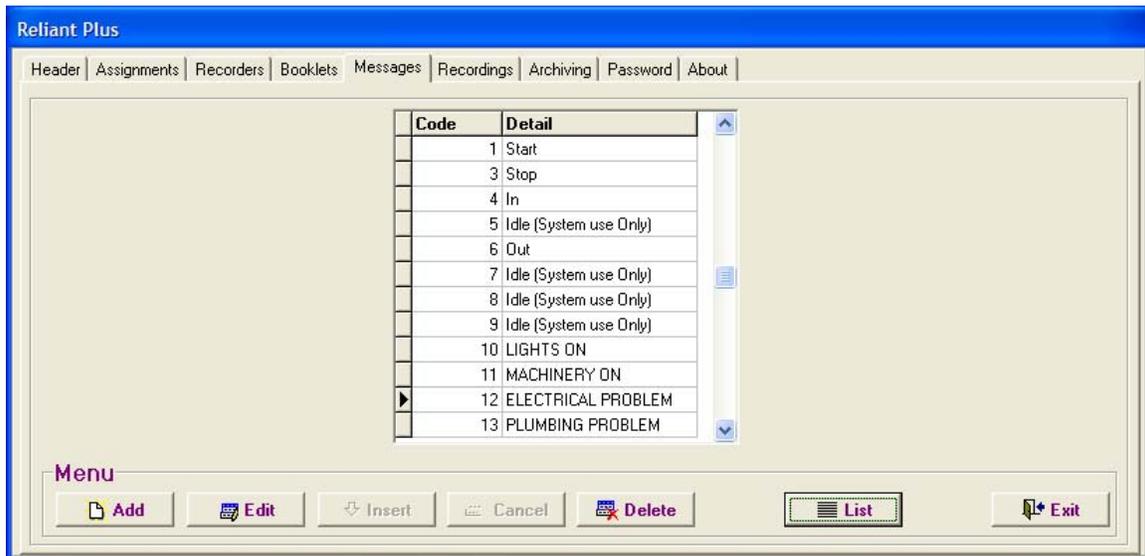
This Tab enables the user to create, name and assign all types of messages (including incident messages) to be reported.

- 1.) Select the Messages Tab
- 2.) Press the “Add” button
- 3.) Type in the message in the “Detail” column.
- 4.) Press the “Save” button.
- 5.) The system will automatically assign a code to the message. This is the code that must be entered by the officer or supervisor with the Reliant DAU and Incident Book in order to record that message in the tour data.

For the message system to function properly, it is important that the User (1) read the Checkpoint where an incident takes place, (2) enter the code for the incident with the DAU and keypad, and (3) touch the “E” enter button.

For isolated messages (messages that are not or should not be related to recording stations, persons or elements), the User must touch the “0” key on the keypad and then enter the message code. Example: if an electrical problem (code 12) is detected in an area where there is no checkpoint nearby, the User would read the following sequence of keys: **0, 1, 1, E**.

To produce a list of assigned **Messages**, select the **List** button on the menu bar to access a print preview; to print, select the printer icon.



REPORTS:

The RELIANT PLUS System generates 3 types of reports:

- Filtered Reports
- Performance / Exceptions Report
- Missed Stations Reports.

Report Configuration:

The structure of the reports is controlled by the settings chosen with the **Sort** and **View** functions, plus the Column Positioning and Column Width controls.

Sort:

To select a specific pattern to display readings, select the **Sort** button. A pop-up window will present the following options:

Recorder No. (R.N.): Sorts all readings by Recorder Number.

Date / Time: Sorts readings by Date and Time.

Name: Sorts all readings by Name.

Message Code: Sorts readings by Message Code.

Type: Sorts all readings by Type.

Area: Sorts readings by Tour Area

Watchman: Sorts all readings by Watchman.

Page Breaks on printed reports are also controlled by the **Sort** function.

View:

Columns may be displayed, hidden or revealed with this function.

1. Press the **View** button or right-click on any part of the active screen.
2. A list of column headers will be displayed.
3. Columns that are to be shown have a checkmark.
4. Click on the header names to select (display) or deselect (hide) columns.

Column Positioning:

The user can reposition a column by clicking on the column header and dragging the column left or right until it is in the desired position. The width of a column can also be adjusted as necessary.

Filtered Reports:

All reports are generated based on selections made through the SORT and VIEW functions and Column Positioning settings.

1. To generate reports, press the **“Reports”** button, then the **“Filtered Reports”** button.
2. The **“Selection Filter”** window will appear.
3. To clear previous filtering, select the **“Reset / View All”** button.
4. To view report only on the screen, select **“View Screen”**
5. To print the report, select **“View / Print;”** a Print Preview will be displayed. To print, select the printer icon.

Filters:

- **Date Span:** Displays readings made within the selected date range.
- **Daily Span:** Displays readings made within the selected time frame.
- **Name:** Displays readings by iButton Name (one, several or all).
- **Recorder:** Displays readings by Recorder (one, several or all).
- **Message:** Displays readings associated with a Message (one, several or all).
- **Type:** Displays readings by Type (one, several or all).
- **Area:** Displays all readings made within a Tour Area (one, several or all).
- **Watchman:** Displays all readings made by a Watchman (one, several or all).

The **Name, Recorder, Message, Type, Area** and **Watchman** drop lists allow you to make multiple selections within each list. After clicking on any of the drop-down lists (arrows), you can click (select) one or more items. To deselect a previously-selected item, click on the item. To select **all** items leave the drop-down list blank, or press the **“Reset /View All”** button.

Item Divider & Marker

When multiple selections have been made, an inverted “T” (⌵) character will divide each selection. Ex: 001 / Lobby_⌵_002 / Customer Service_⌵_003 / Helicopter hangar # 3, etc.

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Data Tabs

Header | Assignments | Recorders | Booklets | Messages | Recordings | Archiving | Password | About

| R.N. | yy | mm | dd | Hour | Name | Area | Message | Delta | Watchman |
|------|----|----|----|-------|-------------------------|--------|----------|-----------|---------------------|
| 1 | 02 | 07 | 05 | 01:32 | W02 / Sexton George | N. A. | | 000 00:00 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 01:32 | 007 / Injection Molding | Area 3 | | 000 00:00 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 01:43 | 008 / Cafeteria | Area 3 | | 000 00:11 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 01:57 | 009 / Helicopter Hangar | Area 3 | | 000 00:14 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 02:17 | 008 / Cafeteria | Area 3 | | 000 00:20 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 02:28 | 009 / Helicopter Hangar | Area 3 | Intruder | 000 00:11 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 02:36 | 007 / Injection Molding | Area 3 | | 000 00:08 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 02:45 | 008 / Cafeteria | Area 3 | | 000 00:09 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 03:02 | 009 / Helicopter Hangar | Area 3 | | 000 00:17 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 03:07 | 008 / Cafeteria | Area 3 | | 000 00:05 | W02 / Sexton George |
| 1 | 02 | 07 | 05 | 03:12 | W02 / Sexton George | N. A. | | 000 00:05 | W02 / Sexton George |

Menu

Download / Program | Sort | View | Export | Reports | Exit

Register No. 1 Of 307

Print Preview

2003/12/12 18:52

Oscillator Ltd.

Recordings From 2002/07/05 To 2002/07/05

1

| yy | mm | dd | Hour | Name | Area | Message | Delta | Watchman | Type |
|------|----|----|-------|-------------------------|--------|----------|-----------|--------------|-------------------|
| R.N. | 1 | | | | | | | | |
| 02 | 07 | 05 | 01:32 | W02 / Sexton George | N. A. | | 000 00:00 | W02 / Sexton | Watchman |
| 02 | 07 | 05 | 01:32 | 007 / Injection Molding | Area 3 | | 000 00:00 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 01:43 | 008 / Cafeteria | Area 3 | | 000 00:11 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 01:57 | 009 / Helicopter Hangar | Area 3 | | 000 00:14 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 02:17 | 008 / Cafeteria | Area 3 | | 000 00:20 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 02:28 | 009 / Helicopter Hangar | Area 3 | Intruder | 000 00:11 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 02:36 | 007 / Injection Molding | Area 3 | | 000 00:08 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 02:45 | 008 / Cafeteria | Area 3 | | 000 00:09 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 03:02 | 009 / Helicopter Hangar | Area 3 | | 000 00:17 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 03:07 | 008 / Cafeteria | Area 3 | | 000 00:05 | W02 / Sexton | Recording Station |
| 02 | 07 | 05 | 03:12 | W02 / Sexton George | N. A. | | 000 00:05 | W02 / Sexton | Watchman |
| 02 | 07 | 05 | 03:12 | 007 / Injection Molding | Area 3 | | 000 00:00 | W02 / Sexton | Recording Station |

Filtered Report

Performance / Exceptions Report:

This report allows the user to make a quick and easy evaluation of an officer's tours. It is focused on the performance of **each officer (accountability)** and is composed of a rectangular chart containing rows and columns. Figures in **red** indicate the presence of detect incomplete tours and omissions.

Rules and Conventions:

- The **Hour** header (columns) displays hours of the day from **00** to **23**; the 24 columns represent a complete day.
- The **Max. UT** row (Maximum Unattended Time) displays the maximum time per hour (in minutes) during which a checkpoint has been left unattended.
- The **RPH** row (Recordings per Hour) displays the number of times per hour that a checkpoint has

DETEX[®] RELIANT[™] PLUS

been visited by a specific officer. The name of the officer appears to the left of the RPH row. The checkpoint's name appears above the officer's name.

- The **Total** row summarizes the total number of times a checkpoint has been read by all officers who have visited the checkpoint. If only one officer is patrolling a particular Area, the **RPH** and **Total** values will be the same.
- The **P-RPH** (Programmed Recordings Per Hour) row indicates the day's schedule for that checkpoint.
- Checkpoints that belong to a Tour Area will be displayed under its respective Area header.

Print Preview

Oscillator Ltd.
Performance / Exceptions From 2002/07/05 To 2002/07/05

2003/12/12 18:27
1

Actual Recordings per hour → Maximum unattended time

| 2002/07/05 | | Hour | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--------|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Area | Area 1 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 001 / Lobby | | Max. UT | 59 | 31 | 51 | 35 | 53 | 44 | 58 | 47 | 57 | 49 | 42 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| W03 / Jennings Alexandra | | RPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W07 Smith Xavier | | RPH | 0 | 1 | 2 | 3 | 4 | 3 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | 0 | 1 | 2 | 3 | 4 | 3 | 3 | 5 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Programmed Recordings per Hour | | P-RPH | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 002 / Customer Service | | Max. UT | 59 | 43 | 45 | 44 | 49 | 52 | 34 | 30 | 53 | 48 | 42 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| W03 / Jennings Alexandra | | RPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W07 Smith Xavier | | RPH | 0 | 1 | 2 | 3 | 4 | 3 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | 0 | 1 | 2 | 3 | 4 | 3 | 3 | 5 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| P-RPH | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 003 / Accounting | | Max. UT | 59 | 57 | 32 | 53 | 59 | 27 | 21 | 32 | 27 | 46 | 40 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| W03 / Jennings Alexandra | | RPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W07 Smith Xavier | | RPH | 0 | 1 | 1 | 3 | 4 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | 0 | 1 | 1 | 3 | 4 | 3 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| P-RPH | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Tour Area (tour)

York Machining Co. Ltd.
Performance / Exceptions From 2006/06/09 To 2006/06/09

2006/10/07 11:18
1

Maximum Unattended Time / Hour (In Minutes) → Incomplete Tours (omissions detected!) →

| 2006/06/09 | | Hour | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--------|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Area | Area 1 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 001 / Warehouse | | Max. UT | 25 | 31 | 59 | 26 | 59 | 53 | 30 | 35 | 48 | 42 | 59 | 48 | 55 | 39 | 53 | 56 | 40 | 36 | 32 | 52 | 51 | 39 | 51 | 47 |
| Pennington Charles | | RPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| Williams Peter | | RPH | 3 | 3 | 0 | 3 | 0 | 1 | 3 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | 3 | 3 | 0 | 3 | 0 | 1 | 3 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| Recordings per Hour | | P-RPH | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 002 / Cashiers | | Max. UT | 25 | 33 | 59 | 24 | 59 | 58 | 19 | 39 | 37 | 30 | 57 | 39 | 40 | 42 | 38 | 40 | 32 | 28 | 32 | 28 | 43 | 31 | 43 | 39 |
| Pennington Charles | | RPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 1 | 2 | 1 | 1 |
| Williams Peter | | RPH | 3 | 3 | 0 | 3 | 0 | 1 | 4 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | 3 | 3 | 0 | 3 | 0 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 1 | 2 | 1 | 1 | 1 |
| Programmed Recordings per Hour | | P-RPH | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 003 / Lobby | | Max. UT | 23 | 31 | 59 | 21 | 59 | 55 | 29 | 43 | 54 | 38 | 45 | 59 | 58 | 59 | 42 | 48 | 32 | 48 | 47 | 24 | 36 | 35 | 31 | |
| Pennington Charles | | RPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 2 | 2 | 1 | 1 | 3 | 2 | 1 | 2 | |
| Williams Peter | | RPH | 3 | 3 | 0 | 3 | 0 | 1 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | | | 3 | 3 | 0 | 3 | 0 | 1 | 3 | 1 | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 2 | 2 | 1 | 1 | 3 | 2 | 1 | 2 | |
| P-RPH | | | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 2006/06/09 | | Hour | | | | | | | | | | | | | | | | | | | | | | | | |
| Area | Area 2 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 004 / Parking Lot | | Max. UT | 25 | 30 | 56 | 29 | 59 | 51 | 20 | 55 | 33 | 41 | 44 | 59 | 49 | 49 | 40 | 35 | 35 | 55 | 40 | 39 | 32 | 52 | 32 | 36 |
| Pennington Charles | | RPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 3 | 1 | 2 |
| Williams Peter | | RPH | 3 | 2 | 1 | 3 | 0 | 1 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | 3 | 2 | 1 | 3 | 0 | 1 | 3 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 3 | 1 | 2 | 2 |
| P-RPH | | | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 005 / Management | | Max. UT | 26 | 31 | 59 | 28 | 59 | 56 | 26 | 45 | 48 | 49 | 31 | 59 | 36 | 30 | 39 | 32 | 51 | 47 | 35 | 55 | 59 | 59 | 40 | 44 |
| Pennington Charles | | RPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 3 | 1 |
| Williams Peter | | RPH | 3 | 3 | 0 | 3 | 0 | 1 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | 3 | 3 | 0 | 3 | 0 | 1 | 3 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 3 | 1 |

Missed Stations Report:

This report allows the user to quickly see which checkpoints have been missed during patrols and with what frequency. The report is focused on **individual checkpoints**.

| Station | Area | Missed | Programmed | Failure (%) | Efficiency (%) |
|-------------------------|--------|------------|------------|---------------|------------------|
| 001 / Lobby | Area 1 | 14 | 24 | 58.3 | 41.7 |
| 002 / Customer Service | Area 1 | 14 | 24 | 58.3 | 41.7 |
| 003 / Accounting | Area 1 | 14 | 24 | 58.3 | 41.7 |
| 004 / Clock Assy. Plant | Area 2 | 14 | 24 | 58.3 | 41.7 |
| 005 / Sales | Area 2 | 14 | 24 | 58.3 | 41.7 |
| 006 / Tool & Die | Area 2 | 14 | 24 | 58.3 | 41.7 |
| 007 / Injection Molding | Area 3 | 14 | 24 | 58.3 | 41.7 |
| 008 / Cafeteria | Area 3 | 14 | 24 | 58.3 | 41.7 |
| 009 / Helicopter Hangar | Area 3 | 14 | 24 | 58.3 | 41.7 |
| Total | | 126 | 216 | 58.3 | 41.7 |

Export:

You can export reports to any database or to Microsoft Excel for further processing. Data will be exported in a “.txt” file format.

How to export:

1. Click on the Export button.
2. Select the path for the file to be exported.
3. Enter a file name.
4. Press “Open.”

PASSWORD (TAB)

Access to the software may be restricted by requiring a password at start-up. To establish a password, select the **Password** Tab, enter your password under “New Password;” verify it under “Verify Password” and press “OK.” The password will be required the next time Reliant PLUS is started.

To remove the password restriction, clear both the “New Password” and “Verify Password” fields and click “OK.”

ARCHIVE MANAGER (“ARCHIVING” TAB)

Functions:

The **Archiving** Tab provides for the creation, retrieval and management of backup files. The Archive Manager consists of 4 basic functions: Backup, Restore, Purge and Exit.

Backup: Creates a copy of all information contained in the databases. The Backup function automatically compresses all active databases, copies them to a designated location and assigns a name to the created file. This name is the time span of the archived data, expressed as dates (FROM yy_mm_dd_TO_ yy_mm_dd).

Restore: Permits the retrieval of archived data. This stored data can only be managed by the system itself; it is protected by an internal password and cannot be decompressed by external utilities. The **Restore** function opens a window displaying all archived files in the Backup folder (**Program Files\Detex\Reliant Plus\Datos2XX\Backup**); the user selects a file to be restored and clicks “Open.” Backup files may be restored temporarily to review old data, or permanently to become your current operating database. **NOTE: It is strongly recommended to always make a backup of your current data**

DETEX[®] RELIANT[™] PLUS

before restoring an archived file.

Purge: This is essentially a “system reset” operation. The Purge command automatically creates a backup of all data and resets the Recordings folder (Tab) to 0 readings. It clears the system of excessive amounts of unnecessary old data and allows the PC to operate much faster.

Users may also choose to purge data only within a certain range of dates (“**Purge by Date**” button). Data contained in all other data Tabs remains in place.

The path for retrieving purged data files: **Program Files\Detex\Reliant Plus\Program Files\Datos2XX\Close.**

ABOUT (TAB):

Contains vendor contact information, software version and manufacturers web page. Vendor’s contact information must be entered when software is installed.

MOBILE DATA TRANSFER UNIT (MDTU):

The Mobile Data Transfer Unit (MDTU) can collect the data from several Reliant DAU readers, which is often desirable in the field. The DAUs can then be immediately returned to service. This makes it unnecessary to carry a portable PC to several sites or to bring the DAUs to a central location for downloading.

The memory capacity of the MDTU is 21,842 readings.

How to assign the Download key:

1. Press one of the “AAA” batteries backwards (as shown below) so as to interrupt battery contact.
2. Touch and hold the iButton to be used as the Download key to the read head as shown.
3. Release the battery to renew contact while maintaining contact between Download key and read head.
4. The MDTU will acknowledge key activation by emitting 8 beeps.



DETEX[®] RELIANT[™] PLUS

How to Download Reliant Data Acquisition Units to the MDTU:

1. Place the Reliant DAU on the MDTU as shown below.
2. Touch the read head of the MDTU with the Download key as shown.
3. Both devices will beep 5 times (with 5 blinks of the green LED) when the download is initiated, and beep 3 times when the transfer (download) is completed.



FCC COMPLIANCE:

The Reliant Data Acquisition Unit (M6000-R iButton Recorder), MDTU Mobile Data Transfer Unit (T6000 Portable Transfer Station) and Data Transfer Unit (P6000 Download Station) comply with Part 15, Class B of the FCC Rules (Non Intentional Radiators, Class B Digital Devices).

Operation is subject to the following two conditions: (1) these devices may not cause harmful interference, and (2) these devices must accept any interference received, including interference that may cause undesired operation.

Harmful interference (definition): Any emission, radiation or induction that endangers the functioning of a radio navigation service or of other safety services, or seriously degrades, obstructs or repeatedly interrupts a radio communications service operating in accordance with FCC rules.

Changes or modifications to these devices not expressly approved by **Detex Corporation & Centor & Cía. S. EN C.** will void the user's authority to operate the equipment.

EC COMPLIANCE:

The Reliant Data Acquisition Unit (M6000-R iButton Recorder), MDTU Mobile Data Transfer Unit (T6000 Portable Transfer Station) and Data Transfer Unit (P6000 Download Station) comply with regulation EN55022 Class B and regulation EN50082-1.